05.70
TO1

#3.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/852,910

DATE: 10/01/2001
TIME: 10:23:07

Input Set : A:\PTO.txt
Output Set: N:\CRF3\10012001\I852910.raw

```
   3 <110> APPLICANT: Hamm, Heidi
   4         Gilchrist, Annette
   6 <120> TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled
Receptor Signaling
   8 <130> FILE REFERENCE: 2661-101
  10 <140> CURRENT APPLICATION NUMBER: US 09/852,910
C--> 11 <141> CURRENT FILING DATE: 2001-09-18
  13 <150> PRIOR APPLICATION NUMBER: US 60/275,472
  14 <151> PRIOR FILING DATE: 2001-03-14
  16 <160> NUMBER OF SEQ ID NOS: 271
  18 <170> SOFTWARE: PatentIn version 3.0
  20 <210> SEQ ID NO: 1
  21 <211> LENGTH: 4
  22 <212> TYPE: PRT
  23 <213> ORGANISM: mammal
  25 <220> FEATURE:
  26 <221> NAME/KEY: misc_feature
  27 <222> LOCATION: (1)..(1)
  28 <223> OTHER INFORMATION: Xaa denotes any amino acid
  31 <220> FEATURE:
  32 <221> NAME/KEY: misc_feature
  33 <222> LOCATION: (2)..(2)
  34 <223> OTHER INFORMATION: Xaa denotes any amino acid
  37 <220> FEATURE:
  38 <221> NAME/KEY: misc_feature
  39 <222> LOCATION: (3)..(3)
  40 <223> OTHER INFORMATION: Xaa denotes any amino acid
  43 <220> FEATURE:
  44 <221> NAME/KEY: misc_feature
  45 <222> LOCATION: (4)..(4)
  46 <223> OTHER INFORMATION: Xaa denotes any amino acid
  49 <220> FEATURE:
  50 <221> NAME/KEY: misc_feature
  51 <222> LOCATION: (1)..(4)
  52 <223> OTHER INFORMATION: MBP-G11
  55 <400> SEQUENCE: 1
W--> 57 Xaa Xaa Xaa Xaa
  58 1
  60 <210> SEQ ID NO: 2
  61 <211> LENGTH: 11
  62 <212> TYPE: PRT
  63 <213> ORGANISM: Homo sapiens
  65 <400> SEQUENCE: 2
  67 Leu Gln Leu Asn Leu Lys Glu Tyr Asn Leu Val
  68 1               5                   10
  70 <210> SEQ ID NO: 3
  71 <211> LENGTH: 4
  72 <212> TYPE: PRT
```

ENTERED

p.5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/852,910

Input Set : A:\PTO.txt
Output Set: N:\CRF3\10012001\I852910.raw

```
73 <213> ORGANISM: mammal
75 <220> FEATURE:
76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: (1)..(4)
78 <223> OTHER INFORMATION: PAR-13
81 <400> SEQUENCE: 3
83 Val Arg Pro Ser
84 1
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 11
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <221> NAME/KEY: misc_feature
93 <222> LOCATION: (1)..(11)
94 <223> OTHER INFORMATION: Gq peptide library sequence
97 <400> SEQUENCE: 4
99 Leu Gln Leu Asn Arg Asn Glu Tyr Tyr Leu Val
100 1               5                   10
102 <210> SEQ ID NO: 5
103 <211> LENGTH: 4
104 <212> TYPE: PRT
105 <213> ORGANISM: mammal
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <222> LOCATION: (1)..(4)
110 <223> OTHER INFORMATION: PAR-23
113 <400> SEQUENCE: 5
115 Leu Ser Arg Ser
116 1
118 <210> SEQ ID NO: 6
119 <211> LENGTH: 11
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (1)..(11)
126 <223> OTHER INFORMATION: Gq peptide library sequence
129 <400> SEQUENCE: 6
131 Leu Gln Gln Lys Leu Lys Glu Tyr Ser Leu Val
132 1               5                   10
134 <210> SEQ ID NO: 7
135 <211> LENGTH: 4
136 <212> TYPE: PRT
137 <213> ORGANISM: mammal
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: (1)..(4)
142 <223> OTHER INFORMATION: PAR-33
```

RAW SEQUENCE LISTING   DATE: 10/01/2001
PATENT APPLICATION: US/09/852,910   TIME: 10:23:07

Input Set : A:\PTO.txt
Output Set: N:\CRF3\10012001\I852910.raw

```
145 <400> SEQUENCE: 7
147 Leu Ser Thr Asn
148 1
150 <210> SEQ ID NO: 8
151 <211> LENGTH: 11
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (1)..(11)
158 <223> OTHER INFORMATION: Gq peptide library sequence
161 <400> SEQUENCE: 8
163 Leu His Leu Asn Leu Lys Glu Tyr Asn Leu Val
164 1               5               10
166 <210> SEQ ID NO: 9
167 <211> LENGTH: 4
168 <212> TYPE: PRT
169 <213> ORGANISM: mammal
171 <220> FEATURE:
172 <221> NAME/KEY: misc_feature
173 <222> LOCATION: (1)..(4)
174 <223> OTHER INFORMATION: PAR-34
177 <400> SEQUENCE: 9
179 Leu Pro Gln Met
180 1
182 <210> SEQ ID NO: 10
183 <211> LENGTH: 11
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <222> LOCATION: (1)..(11)
190 <223> OTHER INFORMATION: Gq peptide library sequence
193 <400> SEQUENCE: 10
195 Gln Arg Leu Asn Val Gly Glu Tyr Asn Leu Val
196 1               5               10
198 <210> SEQ ID NO: 11
199 <211> LENGTH: 4
200 <212> TYPE: PRT
201 <213> ORGANISM: mammal
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (1)..(4)
206 <223> OTHER INFORMATION: PAR-45
209 <400> SEQUENCE: 11
211 Ser Arg His Thr
212 1
214 <210> SEQ ID NO: 12
215 <211> LENGTH: 11
```

```
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <222> LOCATION: (1)..(11)
222 <223> OTHER INFORMATION: Gq peptide library sequence
225 <400> SEQUENCE: 12
227 Leu Arg Leu Asn Gly Lys Glu Leu Asn Leu Val
228 1               5                   10
230 <210> SEQ ID NO: 13
231 <211> LENGTH: 11
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 13
237 Gln Arg Met His Leu Arg Gln Tyr Glu Leu Leu
238 1               5                   10
240 <210> SEQ ID NO: 14
241 <211> LENGTH: 67
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <221> NAME/KEY: misc_feature
247 <222> LOCATION: (1)..(67)
248 <223> OTHER INFORMATION: G alpha t library construct
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (9)..(9)
254 <223> OTHER INFORMATION: n = a, c, g or t
257 <220> FEATURE:
258 <221> NAME/KEY: misc_feature
259 <222> LOCATION: (10)..(10)
260 <223> OTHER INFORMATION: n = a, c, g or t
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (11)..(11)
266 <223> OTHER INFORMATION: k = g or t
269 <220> FEATURE:
270 <221> NAME/KEY: misc_feature
271 <222> LOCATION: (12)..(12)
272 <223> OTHER INFORMATION: n = a, c, g or t
275 <220> FEATURE:
276 <221> NAME/KEY: misc_feature
277 <222> LOCATION: (13)..(13)
278 <223> OTHER INFORMATION: n = a, c, g or t
281 <220> FEATURE:
282 <221> NAME/KEY: misc_feature
283 <222> LOCATION: (14)..(14)
284 <223> OTHER INFORMATION: k = g or t
287 <220> FEATURE:
```

```
288 <221> NAME/KEY: misc_feature
289 <222> LOCATION: (15)..(15)
290 <223> OTHER INFORMATION: n = a, c, g or t
293 <220> FEATURE:
294 <221> NAME/KEY: misc_feature
295 <222> LOCATION: (16)..(16)
296 <223> OTHER INFORMATION: n = a, c, g or t
299 <220> FEATURE:
300 <221> NAME/KEY: misc_feature
301 <222> LOCATION: (17)..(17)
302 <223> OTHER INFORMATION: k = g or t
305 <220> FEATURE:
306 <221> NAME/KEY: misc_feature
307 <222> LOCATION: (18)..(18)
308 <223> OTHER INFORMATION: n = a, c, g or t
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <222> LOCATION: (19)..(19)
314 <223> OTHER INFORMATION: n = a, c, g or t
317 <220> FEATURE:
318 <221> NAME/KEY: misc_feature
319 <222> LOCATION: (20)..(20)
320 <223> OTHER INFORMATION: k = g or t
323 <400> SEQUENCE: 14
```

W--> 324 gaggtggtnn knnknnknnk attcgtgaaa acttaaaaga ttgtggtcgt ttctaactaa   60

```
326 gtaaagc                                                                  67
329 <210> SEQ ID NO: 15
330 <211> LENGTH: 11
331 <212> TYPE: PRT
332 <213> ORGANISM: Homo sapiens
334 <400> SEQUENCE: 15
336 Ile Lys Glu Asn Leu Lys Asp Cys Gly Leu Phe
337 1               5                   10
339 <210> SEQ ID NO: 16
340 <211> LENGTH: 33
341 <212> TYPE: DNA
342 <213> ORGANISM: Homo sapiens
344 <400> SEQUENCE: 16
```

345 atcaaggaga acctgaaaga ctgcggcctc ttc   33

```
348 <210> SEQ ID NO: 17
349 <211> LENGTH: 11
350 <212> TYPE: PRT
351 <213> ORGANISM: Homo sapiens
353 <400> SEQUENCE: 17
355 Ile Lys Asn Asn Leu Lys Asp Cys Gly Leu Phe
356 1               5                   10
358 <210> SEQ ID NO: 18
359 <211> LENGTH: 33
360 <212> TYPE: DNA
```

Use of n and / or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation is present
in the <220> to <223> fields of each sequence
using n or Xaa.

VERIFICATION SUMMARY   DATE: 10/01/2001
PATENT APPLICATION: US/09/852,910   TIME: 10:23:08

Input Set : A:\PTO.txt
Output Set: N:\CRF3\10012001\I852910.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:1642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118
L:1731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119
L:1820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120
L:1909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121
L:1998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122
L:2087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:3010 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:181
L:3553 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:3553 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: